

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#) [Search Form](#) [Posting Counts](#) [Show S Numbers](#) [Edit S Numbers](#) [Preferences](#) [Cases](#)**Search Results -****Terms** **Documents**L7 and runaway **0**

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Database:**Search:**

L8

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE: Monday, February 25, 2002** [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
		result set	
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L8</u>	L7 and runaway	0	<u>L8</u>
<u>L7</u>	L2 and restriction near endonuclease\$ near5 toxic	1	<u>L7</u>
<u>L6</u>	L5 and runaway near replicat\$	5	<u>L6</u>
<u>L5</u>	l2 and tight\$ near regulat\$	186	<u>L5</u>
<u>L4</u>	L3 and restriction near endonuclease\$	9	<u>L4</u>
<u>L3</u>	L2 and runaway near3 replication	20	<u>L3</u>
<u>L2</u>	L1 and promoter\$ near10 RNA near polymerase\$	3873	<u>L2</u>
<u>L1</u>	plasmid\$ near5 vector\$	23450	<u>L1</u>

END OF SEARCH HISTORY

WEST

Search Results - Record(s) 1 through 20 of 20 returned.

1. Document ID: US 6339065 B1

L3: Entry 1 of 20

File: USPT

Jan 15, 2002

US-PAT-NO: 6339065

DOCUMENT-IDENTIFIER: US 6339065 B1

TITLE: Episomal expression vector for human gene therapy

DATE-ISSUED: January 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; Mark J.	Solon	OH		

US-CL-CURRENT: 514/44; 435/455, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc	Image										

2. Document ID: US 6294372 B1

L3: Entry 2 of 20

File: USPT

Sep 25, 2001

US-PAT-NO: 6294372

DOCUMENT-IDENTIFIER: US 6294372 B1

TITLE: Replication genes and gene products from small cryptic plasmids and methods for constructing controlled-replication plasmid vectors

DATE-ISSUED: September 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burian; Jan	Vancouver			CAX
Kay; William W.	Victoria			CAX

US-CL-CURRENT: 435/252.33; 435/320.1, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Draw Desc	Image										

3. Document ID: US 6255071 B1

L3: Entry 3 of 20

File: USPT

Jul 3, 2001

US-PAT-NO: 6255071

DOCUMENT-IDENTIFIER: US 6255071 B1

TITLE: Mammalian viral vectors and their uses

DATE-ISSUED: July 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beach; David H.	Huntington Bay	NY		
Hannon; Gregory J.	Huntington	NY		
Conklin; Douglas	Huntington Bay	NY		
Sun; Peiqing	Huntington	NY		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/455, 435/6, 536/23.1, 536/23.5, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC
Drawn Desc	Image										

4. Document ID: US 6165749 A

L3: Entry 4 of 20

File: USPT

Dec 26, 2000

US-PAT-NO: 6165749

DOCUMENT-IDENTIFIER: US 6165749 A

TITLE: Plasmid

DATE-ISSUED: December 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sagawa; Hiroaki	Kusatsu			JPX
Ueno; Harumi	Kusatsu			JPX
Oshima; Atsushi	Otsu			JPX
Kato; Ikunoshin	Uji			JPX

US-CL-CURRENT: 435/69.1; 435/320.1, 435/471, 435/476, 435/478

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Drawn Desc	Image									

5. Document ID: US 6117658 A

L3: Entry 5 of 20

File: USPT

Sep 12, 2000

US-PAT-NO: 6117658

DOCUMENT-IDENTIFIER: US 6117658 A

TITLE: Methods of making polyhydroxyalkanoates comprising 4-hydroxybutyrate monomer units

DATE-ISSUED: September 12, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dennis; Douglas E.	Weyers Cave	VA		
Valentin; Henry E.	Chesterfield	MO		

US-CL-CURRENT: 435/135; 435/141, 435/146, 435/170

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KMC				

6. Document ID: US 6103470 A

L3: Entry 6 of 20

File: USPT

Aug 15, 2000

US-PAT-NO: 6103470

DOCUMENT-IDENTIFIER: US 6103470 A

TITLE: Plasmid for delivery of nucleic acids to cells and methods of use

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eastman; Eric M.	Houston	TX		
Durland; Ross H.	The Woodlands	TX		

US-CL-CURRENT: 435/6; 435/320.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KMC				

7. Document ID: US 6063627 A

L3: Entry 7 of 20

File: USPT

May 16, 2000

US-PAT-NO: 6063627

DOCUMENT-IDENTIFIER: US 6063627 A

TITLE: Methods and vectors for site-specific recombination

DATE-ISSUED: May 16, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McVey; Duncan L.	Derwood	MD		
Kovesdi; Imre	Rockville	MD		

US-CL-CURRENT: 435/440; 435/320.1, 435/455, 536/23.1, 536/23.72, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image					KMC				

8. Document ID: US 6013451 A

L3: Entry 8 of 20

File: USPT

Jan 11, 2000

US-PAT-NO: 6013451

DOCUMENT-IDENTIFIER: US 6013451 A

TITLE: *Bacillus stearothermophilus* DNA Polymerase I (klenow) clones including those with reduced 3'- to -5' exonuclease activity

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wong; Victor Thi Wong	Singapore			SGX
Phang; Seng Meng	Singapore			SGX
Tan; Tien Chye	Jalan Rabu			SGX

US-CL-CURRENT: 435/6; 435/194, 435/91.2, 536/22.1, 536/23.1, 536/24.1, 536/24.3,
536/24.31, 536/24.32, 536/24.33

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KOMC](#)
[Drawn Desc](#) [Image](#)

9. Document ID: US 5948663 A

L3: Entry 9 of 20

File: USPT

Sep 7, 1999

US-PAT-NO: 5948663

DOCUMENT-IDENTIFIER: US 5948663 A

TITLE: Purified thermostable *pyrococcus furiosus* DNA polymerase I

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/194; 435/252.3, 435/252.33, 435/320.1, 435/69.1, 435/71.2,
435/91.2, 536/23.2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KOMC](#)
[Drawn Desc](#) [Image](#)

10. Document ID: US 5866395 A

L3: Entry 10 of 20

File: USPT

Feb 2, 1999

US-PAT-NO: 5866395

DOCUMENT-IDENTIFIER: US 5866395 A

TITLE: Purified thermostable *pyrococcus furiosus* DNA polymerase I

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/194; 435/252.3, 435/252.33, 435/320.1, 435/71.2, 536/23.1,
536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

11. Document ID: US 5801030 A

L3: Entry 11 of 20

File: USPT

Sep 1, 1998

US-PAT-NO: 5801030

DOCUMENT-IDENTIFIER: US 5801030 A

TITLE: Methods and vectors for site-specific recombination

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McVey; Duncan L.	Derwood	MD		
Kovesdi; Imre	Rockville	MD		

US-CL-CURRENT: 435/456; 435/320.1, 435/462, 536/23.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

12. Document ID: US 5770374 A

L3: Entry 12 of 20

File: USPT

Jun 23, 1998

US-PAT-NO: 5770374

DOCUMENT-IDENTIFIER: US 5770374 A

TITLE: Methods for identifying oncogenes and anti-oncogenes

DATE-ISSUED: June 23, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; Mark J.	Solon	OH		

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw	Desc	Image							

KMC

13. Document ID: US 5763270 A

L3: Entry 13 of 20

File: USPT

Jun 9, 1998

US-PAT-NO: 5763270

DOCUMENT-IDENTIFIER: US 5763270 A

TITLE: Plasmid for delivery of nucleic acids to cells and methods of use

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eastman; Eric M.	Houston	TX		
Durland; Ross H.	The Woodlands	TX		

US-CL-CURRENT: 435/320.1; 435/6, 514/44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

14. Document ID: US 5716803 A

L3: Entry 14 of 20

File: USPT

Feb 10, 1998

US-PAT-NO: 5716803

DOCUMENT-IDENTIFIER: US 5716803 A

TITLE: Recombinant protein production with reduced expression of selectable markers

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Panayotatos; Nikos	Orangebourg	NY		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/91.4, 435/91.41, 435/91.42, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

15. Document ID: US 5624820 A

L3: Entry 15 of 20

File: USPT

Apr 29, 1997

US-PAT-NO: 5624820

DOCUMENT-IDENTIFIER: US 5624820 A

TITLE: Episomal expression vector for human gene therapy

DATE-ISSUED: April 29, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; Mark J.	Solon	OH		

US-CL-CURRENT: 435/69.1; 435/320.1, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

16. Document ID: US 5545552 A

L3: Entry 16 of 20

File: USPT

Aug 13, 1996

US-PAT-NO: 5545552

DOCUMENT-IDENTIFIER: US 5545552 A

TITLE: Purified thermostable pyrococcus furiosus DNA polymerase I

DATE-ISSUED: August 13, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/252.3; 435/194, 435/252.33, 435/320.1, 435/325, 435/419,
435/71.2, 536/23.1, 536/23.2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) KMC
[Draw Desc](#) [Image](#)

17. Document ID: US 5489523 A

L3: Entry 17 of 20

File: USPT

Feb 6, 1996

US-PAT-NO: 5489523

DOCUMENT-IDENTIFIER: US 5489523 A

TITLE: Exonuclease-deficient thermostable Pyrococcus furiosus DNA polymerase I

DATE-ISSUED: February 6, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mathur; Eric J.	Solana Beach	CA		

US-CL-CURRENT: 435/194; 435/252.3, 435/252.33, 435/320.1, 435/69.1, 435/71.2,
536/23.2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) KMC
[Draw Desc](#) [Image](#)

18. Document ID: US 5445954 A

L3: Entry 18 of 20

File: USPT

Aug 29, 1995

US-PAT-NO: 5445954

DOCUMENT-IDENTIFIER: US 5445954 A

TITLE: System for automatic gene amplification and expression

DATE-ISSUED: August 29, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huang; Ru C.	Baltimore	MD		
Giza; Paul E.	Baltimore	MD		

US-CL-CURRENT: 435/252.33; 435/252.3, 435/252.31, 435/320.1, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

19. Document ID: US 5256568 A

L3: Entry 19 of 20

File: USPT

Oct 26, 1993

US-PAT-NO: 5256568

DOCUMENT-IDENTIFIER: US 5256568 A

TITLE: Vectors and transformed most cells for recombinant protein production with reduced expression of selectable markers

DATE-ISSUED: October 26, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Panayotatos; Nikos	Orangebourg	NY		

US-CL-CURRENT: 435/252.33; 435/252.3, 435/320.1, 435/69.1, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

20. Document ID: US 4495280 A

L3: Entry 20 of 20

File: USPT

Jan 22, 1985

US-PAT-NO: 4495280

DOCUMENT-IDENTIFIER: US 4495280 A

TITLE: Cloned high signal strength promoters

DATE-ISSUED: January 22, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bujard; Hermann G.	Heidelberg			DEX
Chang; Annie C. Y.	Palo Alto	CA		
Cohen; Stanley N.	Portola Valley	CA		

US-CL-CURRENT: 435/6; 435/29, 435/481, 435/69.1, 435/91.4, 435/91.41, 536/23.4, 536/24.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw	Desc	Image								

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Terms

L2 and runaway near3 replication

Documents

20

Display Format: CIT | [Change Format](#)

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Day : Monday
Date: 2/25/2002
Time: 09:51:05

PALM INTRANET

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

sagawa

hiroaki

(To go back use Back button on your browser toolbar.)

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

PALM INTRANET

Day : Monday
Date: 2/25/2002
Time: 09:51:05

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

ueno

harumi

(To go back use Back button on your browser toolbar.)

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HIGHLIGHT set on as ''

HIGHLIGHT set on as ''

? begin 5,6,55,154,155,156,312,399,biotech,biosci

Set Items Description
--- -----
? s plasmid (5n) vector?

531230 PLASMID
1014444 VECTOR
S1 - 1164 PLASMID (5N) VECTOR?

? s S1 and promoter (5n) RNA (5n) polymerase?

Processed 10 of 37 files ...

Processing

Completed processing all files

61464 S1
344418 PROMOTER
2265351 RNA
1187104 POLYMERASE?
309391 FROM CHEL (5N) RNA (5N) POLYMERASE?
S1 - 611 S1 AND PROMOTER (5N) RNA (5N) POLYMERASE?

? s S2 and runaway (5n) replication

617 S2
11719 RUNAWAY
114710 REPLICATION
493 RUNAWAY (5N) REPLICATION
S2 - 6 S2 AND RUNAWAY (5N) REPLICATION

? s S2 and runaway

617 S2
11719 RUNAWAY
S4 - 6 S2 AND RUNAWAY

? s S1 and tight? (5n) regulat?

Processing

Processed 11 of 37 files ...

Completed processing all files

617 S2
315244 TIGHT?
5133616 REGULAT?
11718 TIGHT? (5N) REGULAT?
S1 - 6 S2 AND TIGHT? (5N) REGULAT?

? d s5 5/1-4

Display 5/3/1 (Item 1 from file: 34)
DIALOG(F)File 34:Sci:Search(F) Cited Ref: Sci
(S) 2001 Inst: for Sci. Info. All rts. reserv.

03358581 Semeion Article#: QN915 No. References: 16
Title: REGULATION OF PCD4-1&3 GENE-EXPRESSION FROM PHAGE-T7-BASED VECTORS
IN ESCHERICHIA-COLI

Author(s): KELLEY RC; HUESTIS KC; AUSTEN DA; SANDERSON CT; DONOGHUE MA;
STICKEL SK; KAWASAKI EG; OSBURN MS

Corporate Source: PROCEPT INC, 840 MEM DR, CAMBRIDGE/MA/02139; PROCEPT
INC/CAMBRIDGE/MA/02139

Journal: GENE, 1995, V156, N1 (APR 14), P33-36

ISSN: 0378-1119

Language: ENGLISH Document Type: NOTE (Abstract Available)

- end of record -

?

Display 5/3/2 (Item 1 from file: 98)
DIALOG(F)File 38:General Sci Abs/Full-Text

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0390300 H.W. WILSON RECORD NUMBER: BGSI99055288 (USE FORMAT 7 FOR
FILL-IN)

The anti-sigma factors.

Hughes, Kelly T

Nathans, Kalai

Annual Review of Microbiology (Annu Rev Microbiol) v. 52 ('98) p. 231-86

SPECIAL FEATURES: *etc* al ISSN: 0066-4227

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

WORLD COINT: 25033

- end of record -

Display 5/3/3 (Item 1 from file: 144)

DISPLAY(F)File 144:Pascal

(c) 2002 INIST/CNRS. All rts. reserv.

1440003 PASCAL N°: 01-0154121

Reduced background expression and improved **plasmid** stability with
PET vectors in BL21 (DE3)

YAN Shi-Hai; MALCOLM Bruce A

Schering-Plough Research Institute, Kenilworth, NJ, United States

Journal: Biotechniques, 20(0), 29 (6) 1234-1238 (4 p.)

Language: English

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- end of record -

?

Display 5/3/4 (Item 1 from file: 144)

DISPLAY(F)File 144:Pascal

(c) 2002 INIST/CNRS. All rts. reserv.

14404276 PASCAL N°: 99-010596

Synthesis of a eukaryotic virus protein in a prokaryotic viral-cell
system: production of the adenovirus type 3 fiber shaft fragment by a
tightly regulated T7PGL-M13 expression system

SOENAS M; RODRIGUES E; NILSSON I; EVERAERT P; BORREBAECK C

Immunotechnology and Diagnosis Division, Center for Genetic Engineering
and Biotechnology (CIGB), Havana, Cuba; Department of Microbiology, Lund
University, Sölvegatan 13, 223 62 Lund, Sweden; Department of
Immunotechnology, Lund University, Sölvegatan 35, 223 62 Lund, Sweden

Journal: Journal of virological methods, 1999, 73 (2) 121-131

Language: English

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?

Display 5/3/5 (Item 1 from file: 266)

DISPLAY(F)File 266:PEPHIP

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00269174

IDENTIFYING N°: 019736 AGENCY CODE: AGFIC

SPECIFICATION CONTROL OF ENTEROTOXIN SYNTHESIS IN CLOSTRIDIUM

ASSOCIATE INVESTIGATORS: Melville, S. B.

PERFORMING ORG.: UNIVERSITY OF TENNESSEE, MICROBIOLOGY & IMMUNOLOGY,

MEMPHIS, TENNESSEE 38103

- end of record -

Display 5.3/6 (Item 1 from file: 357)
DIALOG(R)File: 357:Derwent Biotechnology Abs
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187141 DRA Accession No.: 95-14920

Phage RNA-polymerase vectors that allow efficient gene expression in both prokaryotic and eukaryotic cells - high level recombinant protein production from plasmid pBH81 or plasmid pBH84 in bacterium or mammal cell culture

AUTHOR: He B; McAllister W T; Durbin F K

CORPORATE AFFILIATE: Morse-Inst.Mol.Genet.Brooklyn Univ.New-York-State

CORPORATE SOURCE: Department of Microbiology and Immunology, SUNY Health Science Center at Brooklyn, 450 Clarkson Avenue, Brooklyn, NY 11203-3648, USA. email: durbin@medlink.hscbklyn.edu

JOURNAL: Gene (164, 1, 71-73) 1995

ISSN: 0378-1119 CODEN: GENEDE

LANGUAGE: English

- end of display -

187141

Display 5.3/6 (Item 1 from file: 357)
DIALOG(R)File: 357:Derwent Biotechnology Abs
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187141 DRA Accession No.: 95-14920

Phage RNA-polymerase vectors that allow efficient gene expression in both prokaryotic and eukaryotic cells - high level recombinant protein production from plasmid pBH81 or plasmid pBH84 in bacterium or mammal cell culture

AUTHOR: He B; McAllister W T; Durbin F K

CORPORATE AFFILIATE: Morse-Inst.Mol.Genet.Brooklyn Univ.New-York-State

CORPORATE SOURCE: Department of Microbiology and Immunology, SUNY Health Science Center at Brooklyn, 450 Clarkson Avenue, Brooklyn, NY 11203-3648, USA. email: durbin@medlink.hscbklyn.edu

JOURNAL: Gene (164, 1, 71-73) 1995

ISSN: 0378-1119 CODEN: GENEDE

LANGUAGE: English

ABSTRACT: Expression vectors that direct the synthesis of proteins from a common set of signals in both prokaryotic and eukaryotic cells are described. To allow transcription from a common **promoter**, the

-more-

Display 5.3/6 (Item 1 from file: 357)
DIALOG(R)File: 357:Derwent Biotechnology Abs
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vectors use a **phage RNA-polymerase** (RNAP). To direct translation initiation to the same start codon, the vectors use an internal ribosome entry site from EMC virus that has been modified to include a prokaryotic ribosome binding site upstream from the desired start codon. The vectors give levels of expression in eukaryotic cells that exceed those of a conventional RNAP-II-based system by 7-fold, and expression in bacteria at levels comparable to other phage RNAP-based systems. Inclusion of a lac repressor and a phage promoter/lac operator fusion element (e.g. plasmid pBH84 carrying the phage T7 promoter and lac operator) allows **tight regulation**. Cotransfection of

eukaryotic cells with the expression vector and a vector encoding the phage RNAP gives a high-level transient expression without the need to construct specialized stable cell lines. (25 ref)

DESCRIPTIONS: high level recombinant protein prep., **vector** e.g.

plasmid pBH12, **plasmid** pBH34, expression in prokaryote e.g.
bacterium, eukaryote cell culture from common **promoter**, EMC virus
internal ribosome entry site, phage **RNA-polymerase** enzyme

-more-

?

Display 5/9/6 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotechnology Abs

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cloning picorna virus animal mammal (Vol.14, No.25)

SECTION: GENETIC ENGINEERING AND FERMENTATION-Nucleic Acid Technology; CELL CULTURE-Animal Cell Culture (A1,J1)

- end of display -

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